

Patent Abstracts of Japan

PUBLICATION NUMBER : 08073212
 PUBLICATION DATE : 19-03-96
 APPLICATION DATE : 06-07-95
 APPLICATION NUMBER : 07194239

APPLICANT : KOOMITSUKUSU:KK;

INVENTOR : ISHIHARA SHIGEHISA;

INT.CL. : C01B 35/10 B27K 3/52 C08K 3/00 C08L 1/26 C09D 5/18 C09D101/26 E04B 1/94

TITLE : HIGH CONCENTRATION BORIC ACID COMPOUND AND COMPOSITION FOR FIREPROOFING/FIRE RESISTING USE CONTAINING THE SAME AND BINDING MATERIAL AND FIREPROOF/FIRE RESISTANT MATERIAL USING THE SAME

ABSTRACT : PURPOSE: To convert wood and natural fiber into durables and also to use these as a pollution-free fireproof/fire resistant material.

CONSTITUTION: A high concn. boric acid compd. is obtained by mixing a boric acid compd. to either aq. soln. of a metallic ion sealing agent or aq. soln. of a wet permeable surfactant so that a concn. of the compd. may be more than a solubility equivalent to 5g/100g water at normal temp., and subjecting this mixture to a hydrothermal reaction at $\geq 60^{\circ}\text{C}$ or, moreover, adding either or both of phosphoric acid and a silanol salt having siloxane skeleton. And the fireproof/fire resistant material is produced by using a composition for fireproofing/fire resisting use containing the high concn. boric acid compd.

COPYRIGHT: (C)1996,JPO

BEST AVAILABLE COPY